

What Is Claimed Is:

1. A radar sensor based on the pulse-echo principle including at least two receiving antennas, a first receiving antenna (6) having a broad short-range antenna characteristic, and a second receiving antenna (17) having a narrow long-range antenna characteristic, and a switch (18) between the receive signals of both receiving antennas at the clock pulse of the pulse repetition frequency of the transmitted radar pulses being provided in the receiving path.
2. The radar sensor as recited in Claim 1, wherein the switch takes place only within the distance window for the short-range antenna characteristic.
3. The radar system comprised of at least two radar sensors as recited in one of Claims 1 or 2, wherein a target angle determination is provided in the short range via superimposed antenna characteristics according to the mono-pulse method, and in the long range via triangulation.
4. The radar system as recited in Claim 3, wherein a calibration of the radar sensors is provided by obtaining redundant information in particular in the overlapping area of different receiving antennas.